

Product Name	: RGDS peptide
Synonyms	: Arg-Gly-Asp-Ser
Cat No.	: M16537
CAS Number	: 91037-65-9
Molecular Formula	: C ₁₅ H ₂₇ N ₇ O ₈
Formula Weight	: 433.42
Chemical Name	: L-Serine, L-arginylglycyl-L-α-aspartyl-
Description	: RGDS peptide (Arg-Gly-Asp-Ser) is a integrin binding sequence that inhibits integrin receptor function, a tetrapeptide analogue of the cell attachment site of fibronectin; decreases systemic inflammation via inhibition of collagen-triggered activation of leukocytes and attenuates expression of inflammatory cytokines, iNOS and MMP-9; inhibits thrombin-induced binding of platelets to fibronectin, fibrinogen α, and von Willebrand factor with IC ₅₀ of 10 μM.
Pathway	: Cell Cycle/DNA Damage
Target	: Integrin
Receptor	: Integrin
Solubility	: DMSO: ≥ 55 mg/mL
SMILES	: <chem>C(CC(C(=O)NCC(=O)NC(CC(=O)O)C(=O)NC(CO)C(=O)O)N)CN=C(N)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Grigoriou V, et al. J Biol Chem. 2005 Jan 21;280(3):1733-9. | 2. Moon C, et al. Respir Res. 2009 Mar 9;10:18. | 3. Droppelmann CA, et al. J Biol Chem. 2009 May 15;284(20):13551-61. | 4. Gartner TK, et al. J Biol Chem. 1985 Oct 5;260(22):11891-4.